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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

**CERTIFICATES OF CORRECTION  
BRANCH**

Jamal BAINA et al.

Patent No.: 7,107,251

Issue Date: Sep. 12, 2006

For: METHOD OF EVALUATING THE QUALITY OF AUDIO-VISUAL SEQUENCES

**REQUEST FOR CERTIFICATE OF CORRECTION**

Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicant hereby requests issuance of a Certificate of Correction pursuant to 37 CFR 1.322 as shown on the attached form PTO-1050.

The corrections requested herein are the result of Patent Office printing mistakes.

The PCT Publication date is January 4, 2001 and not January 14, 2001. A printout of the first page of the PCT publication is attached to support this correction.

In paragraph (b) of the Abstract, "training sets EA" should read "training sets EAj". A copy of the abstract as filed is attached to support this correction.

Accordingly, issuance of the certificate is respectfully requested.

Since the error was a result of a Patent Office oversight, no fee is required, however, please charge any fee deficiency or credit any overpayment to Deposit Account No. 50-1088.

Respectfully requested,  
CLARK & BRODY

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**Certificate  
FEB 27 2007  
of Correction**

**FEB 28 2007**

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO. : 7,107,251

APPLICATION NO.: 10/018,661

ISSUE DATE : Sep. 12, 2006

INVENTOR(S) : Jamal Baina and Pierre Bretillon

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Front page of the patent:

"PCT Pub. Date: Jan. 14, 2001" should read "PCT Pub. Date: Jan. 1, 2001"

Front page of the patent in the Abstract:

paragraph (b), " training sets EA" should read "training sets EAj"

MAILING ADDRESS OF SENDER (Please do not use customer number below):

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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

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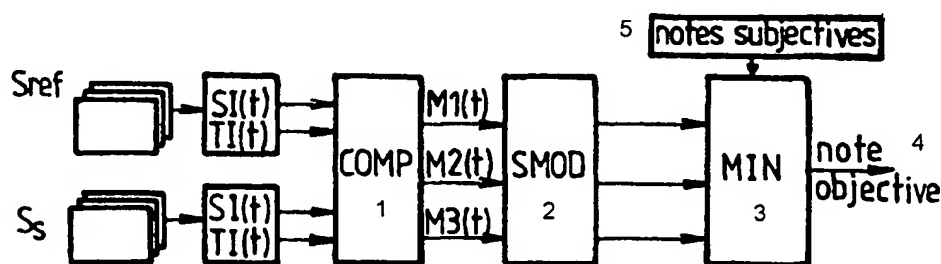
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tions, se référer aux "Notes explicatives relatives aux codes et  
abréviations" figurant au début de chaque numéro ordinaire de  
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(54) Title: METHOD FOR EVALUATING THE QUALITY OF AUDIO-VISUAL SEQUENCES

(54) Titre: PROCEDE D'EVALUATION DE LA QUALITE DE SEQUENCES AUDIOVISUELLES



- 1...COMPARATOR
- 2...SUMMING MODULE
- 3...MINIMIZATION OF DISTORSION
- 4...OBJECTIVE RATING
- 5...SUBJECTIVE RATINGS

(57) Abstract: The invention concerns a method for evaluating the quality of audio-visual sequences by: a training comprising the attribution of a subjective rating to each of  $N_0$  training sequences exhibiting degradations identified by a training vector assigned to each sequence according to a first vectoring process, to constitute a database consisting of  $N_0$  training vectors  $MO_i$  and subjective ratings  $NS_i$ ; classifying the training vectors into  $k$  classes of ratings based on the subjective ratings  $NS_i$ , which have been attributed, to form  $k$  training sets where to are attributed  $k$  significant ratings; establishing for said audio-visual sequence to be evaluated a vector according to said first vectoring process; attributing to the audio-visual sequence the significant training rating  $NSR_j$ , corresponding to the closest training set  $Ea_j$ .

[Suite sur la page suivante]

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## ABSTRACT

The invention provides a method of evaluating the quality of an audiovisual sequence by:

- 5       a) training, comprising allocating a subjective score  $NS_i$  to each of  $N_0$  training sequences  $S_i$  (where  $i = 1, 2, \dots, N_0$ ) presenting degradations identified by a training vector  $MO_i$  which is given to each sequence  $S_i$  in application of a first vectorizing method, in order to  
10       build up a database of  $N_0$  training vectors  $MO_i$  with subjective scores  $NS_i$ ;
- b) classifying the  $N_0$  training vectors  $MO_i$  into  $k$  classes of scores as a function of the subjective scores  $NS_i$  that have been allocated to them, so as to form  $k$   
15       training sets  $EA_j$  (where  $j = 1, 2, \dots, k$ ) which have  $k$  significant training scores  $NSR_j$  allocated thereto;
- c) for each audiovisual sequence to be evaluated, generating a vector  $MO$  using said first vectorization method; and  
20       d) allocating to the audiovisual sequence for evaluation the significant training score  $NSR_j$  that corresponds to the closest training set  $EA_j$ .